Acta Neurochirurgica

Official Organ of the European Association of Neurosurgical Societies

Volume 118, 1992

ISSN 0001-6268

Chairman of the Editorial Board F. Loew, Homburg/Saar

Editorial Board

K. Clark, Dallas

F. Cohadon, Bordeaux

V. V. Dolenc, Ljubljana

M. Fukui, Fukuoka

H. Handa, Kyoto

H.-D. Herrmann, Hamburg

J. T. Hoff, Ann Arbor, Michigan

F. Isamat, Barcelona

H. Kikuchi, Kyoto

A. Konovalov, Moscow

H. Nornes, Oslo

B. Pertuiset, Paris

H.-J. Reulen, München

G. F. Rossi, Roma

M. Sindou, Lyon

K. Sugita, Matsumoto

L. Symon, London

K. Takakura, Tokyo

J. M. Tew, jr., Cincinnati, Ohio

N. de Tribolet, Lausanne

H. Verbiest, Utrecht

R. H. Wilkins, Durham, North Carolina

L. Calliauw, Gent

(Editor for E.A.N.S.-Affairs)

Language editing:

H. H. Gossman, Plymouth

Advisory Board

E.-O. Backlund, Bergen

S. E. Børgesen, Glostrup

M. Brock, Berlin

R. Fahlbusch, Erlangen

S. Ishii, Tokyo

J. T. Keller, Cincinnati, Ohio

K. Jellinger, Wien

W. Koos, Wien

Chr. B. Ostertag, Freiburg i. Br.

K. Sano, Tokyo N. de Tribolet, Lausanne

S. G. Zohrabian, Erevan

Ex officio the members of the

Administrative Council of the E.A.N.S.: M. Brock, Berlin, President

E. Pásztor, Budapest, Past-President

L. Calliauw, Gent, Vice President

I. Nyary, Budapest, Vice President

G. F. Rossi, Roma, Vice President

D. Thomas, London, Vice President

M. Vapalahti, Kuopio, Vice President

C. Lapras, Lyon, Secretary

J. Lobo Antunes, Cascais, Assistant Secretary

R. Braakman, Rotterdam, Treasurer

G. Lanner, Klagenfurt, Assistant Treasurer

J. W. D. Miller, Edinburgh, Assistant Editor

F. Isamat, Barcelona, Historian

Springer-Verlag Wien New York

The exclusive copyright for all languages and countries, including the right for photomechanical and any other reproductions including microform is transferred to the publisher

© 1992 by Springer-Verlag/Wien

Author-Index

Ammon, K., von, vide Yaşargil, M. G. 40 Andreussi, L., vide Carini, S. 159 Arbab, M. A.-R., vide Delagdo-Zygmunt, T.J.

Arbab, M. A.-R., vide Delagdo-Zygmunt, T.J

Arbab, M. A.-R., vide Svendgaard, N.-A. 137

Benati, A., Interventional Neuroradiology for the Treatment of Inaccessible Arterio-Venous Malformations 76

Bjørneboe, A., vide Orlin, J. R. 146 Börner, U., vide Firsching, R. 87

Boström, S., Nilsson, I., Telescopic Suction Tube for Microsurgery 162

Brun, A., vide Svendgaard, N.-A. 137 Brydon, H. L., Intracranial Dermoid Cysts with Nasal Dermal Sinuses 185

Calcagno, E., vide Carini, S. 159

Carini, S., Calcagno, E., Tortori-Donati, P., Andreussi, L., A New Model for Non-Invasive, Reproducible Fixation of a Stereotaxic Frame Using an Orthodontic Resin Plate 159

Cavazos, E., vide Yaşargil, M. G. 40

2

Delgado-Zygmunt, T. J., Arbab, M. A.-R., Shiokawa, Y., Svendgaard, N.-A., A Primate Model for Acute and Late Cerebral Vasospasm: Angiographic Findings 130

Delgado-Zygmunt, T. J., vide Svendgaard, N.-A. 137

Di Lorenzo, N., Craniocervical Junction Malformation Treated by Transoral Approach. A Survey of 25 Cases with Emphasis on Postoperative Instability and Outcome 112

Distelmaier, P. M., vide Pietilä, T. A. 103 Doczi, T., vide Yaşargil, M. G. 40

Ebeling, U., Reulen, H.-J., Subcortical Topography and Proportions of the Pyramidal Tract 164

Fankhauser, H., vide Schlesinger, S. M. 117 Firsching, R., Klug, N., Börner, U., Sanker, P., Lesions of the Sensorimotor Region: Somatosensory Evoked Potentials and Ultrasound Guided Surgery 87

Fujiwara, H., vide Yasui, N. 91

Garfield, J., Ethico-Legal Aspects of High Risk Neurosurgery 2

George, B., Jugulare Foramen Paragangliomas 20 Gorelyshev, S. K., vide Konovalov, A. N. 33

Hayashi, S., vide Terada, T. 108 Hyotani, G., vide Terada, T. 108

Itakura, T., vide Terada, T. 108 Jakubowski, J. K., vide Kotwica, Z. 98

Klug, N., vide Firsching, R. 87

Knosp, E., vide Koperna, Th. 172 Komai, N., vide Terada, T. 108

Konovalov, A. N., Gorelyshev, S. K., Surgical Treatment of Anterior Third Ventricle Tumours 33

Konovalov, A. N., Lichterman, B. L., Korshunov, A. G., Endo-Suprasellar Teratoma with Teeth Formation. Case Report 181

Koperna, Th., Tschabitscher, M., Knosp, E., The Termination of the Vein of "Labbé" and Its Microsurgical Significance 172

Korshunov, A. G., vide Konovalov, A. N.

Kotwica, Z., Jakubowski, J. K., Acute Head Injuries in the Elderly. An Analysis of 136 Consecutive Patients 98

Lichterman, B. L., vide Konovalov, A. N.

Loew, F., Speech – A Key Function of Man 80

Miyamoto, K., vide Terada, T. 108

Nakamura, Y., vide Terada, T. 108 Nathal, E., vide Yasui, N. 91

Nilsson, I., vide Boström, S. 162 Nishiguchi, T., vide Terada, T. 108

Orlin, J. R., Zwetnow, N. N., Bjørneboe, A., Changes in CSF Pressures During Experimental Acute Arterial Subdural Bleeding in Pig 146

Palleske, H., vide Pietilä, T. A. 103 Pásztor, E., Preface 1

Pásztor, E., Transoral Approach to Anterior Brain Stem Compression 7

Pietilä, T. A., Palleske, H., Distelmaier, P. M., Subdural Effusions: Determination of Contrast Medium Influx from CSF to the Fluid Accumulation by Computed Tomography as an Aid to the Indications for Management 103

Reeves, J. D., vide Yaşargil, M. G. 40 Reulen, H.-J., vide Ebeling, U. 164 Roth, P., vide Yaşargil, M. G. 40

Samii, M., Tatagiba, M., Experience with 36 Surgical Cases of Petroclival Meningiomas 27

Sanker, P., vide Firsching, R. 87

Schlesinger, S. M., Fankhauser, H., de Tribolet, N., Microsurgical Anatomy and Operative Technique for Extreme Lateral Lumbar Disc Herniations 117

Shiokawa, Y., vide Delgado-Zygmunt, T. J.

Shiokawa, Y., vide Svendgaard, N.-A. 137 Skagerberg, G., vide Svendgaard, N.-A. 137 Suzuki, A., vide Yasui, N. 91

Svendgaard, N.-A., vide Delgado-Zygmunt, T. J. 130

Svendgaard, N.-A., Shiokawa, Y., Delgado-Zygmunt, T. J., Arbab, M. A.-R., Skagerberg, G., Brun, A., Effect of Lesioning of Medullary Catecholamine Neurons or the Median Eminence on the Development of Cerebral Vasospasm in the Squirrel Monkey 137

Symon, L., Surgical Experiences with Giant Intracranial Aneurysms 53

Tatagiba, M., vide Samii, M. 27

Terada, T., Miyamoto, K., Hyotani, G., Tsuura, M., Nakamura, Y., Nishiguchi, T., Itakura, T., Hayashi, S., Komai, N., Local Blood Flow Changes in Malignant Brain Tumours Under Induced Hypertension 108

Tortori-Donati, P., vide Carini, S. 159 Tribolet, N. de, vide Schlesinger, S. M. 117 Tschabitscher, M., vide Koperna, Th. 172 Tsuura, M., vide Terada, T. 108

Vajda, J., Multiple Intracranial Aneurysms: A High Risk Condition 59

Whittle, I. R., Anterior Lateral Ventricular Subependymal Giant Cell Astrocytomas

Yaşargil, M. G., von Ammon, K., Cavazos, E., Doczi, T., Reeves, J. D., Roth, P., Tumours of the Limbic and Paralimbic Systems 40

Yasui, N., Nathal, E., Fujiwara, H., Suzuki, A., The Basal Interhemispheric Approach for Acute Anterior Communicating Aneurysms 91

Zwetnow, N. N., vide Orlin, J. R. 146

Index of Keywords

A 2 nucleus 137
Aged population 98
Aneurysm 91
Angiography 130
Anterior approach 7
Anterior brain stem compression 7
Anterior communicating artery 91
Aphasia 80
Arterial subdural haematoma

Bilateral craniotomies 59 Brain tumour 108, 164, 185

Cerebral arterio-venous malformation 76
Cerebral perfusion pressure 146
Cerebral vasospasm 137
Chemotherapy 108
Clinical manifestation 40
Clivus 27
Colloid cysts 33
Conservative management 103
Contra-lateral approach 59
Craniocervical malformations 112
Craniopharyngiomas 33
CSF dynamics 103
CT 103

Dermoid cyst 185

Early surgery 91 Embolization 76 Experimental 146 Extraforaminal disc herniation 117 Extreme lateral lumbar disc

Far lateral lumbar disc herniation 117
Foramen jugulare 20
Foraminal disc herniation 117

herniation 117

GCS 98 Giant aneurysms 53 Gliomas 33 GOS 98

Head injury 98 Hydrocephalus 176

Indications 76
Induced hypertension 108
Inferior anastomotic vein Labbé
172
Instrumentation 159
Internal capsule 164
Intervertebral foramen 117
Intracranial aneurysms 53
Intracranial pressures 146

Lateral interpedicular compartment 117 Limbic system 40 Localization 159 Long-term results 112

Management 20, 40, 76 Mature teratoma 181 Median eminence 137 Meningioma 27 Microneurosurgical anatomy 172 Microsurgery 59, 162, 176 Motor cortex 87 Multiple aneurysms 59

Nose-pathology 185

Operative approach 91 Operative indication 103 Operative management 33 Operative stabilization 7 Operative technique 53

Paraganglioma 20 Paralimbic system 40 Petrous pyramid 27 Precentral gyrus 164 Pressure gradients 146 Pyramidal tract 164

Result 20, 33, 40, 53, 76

Sigmoid sinus 27 Skin-pathology 185 Somatosensory evoked potentials 87
Speech 80
Squirrel monkey 130, 137
Sterotaxis 159
Subarachnoid haemorrhage 130
Subdural effusions 103
Subdural effusions 103
Subependymal giant cell astrocytoma 176
Suction 162
Superficial cerebral veins 172

Teeth formation 181
Telescopic suction tube 162
Tentorial sinuses 172
Third ventricle tumours 33
Topography 164
Transoral approach 7
Transoral surgery 112
Transverse sinus 27, 172
Tuberous sclerosis 176
Tumour 40
Tumour of the sellar region 181

Ultrasound sonography 87

Vasospasm 59, 130 Volume tolerance 146

Xenon-enhanced CT 108